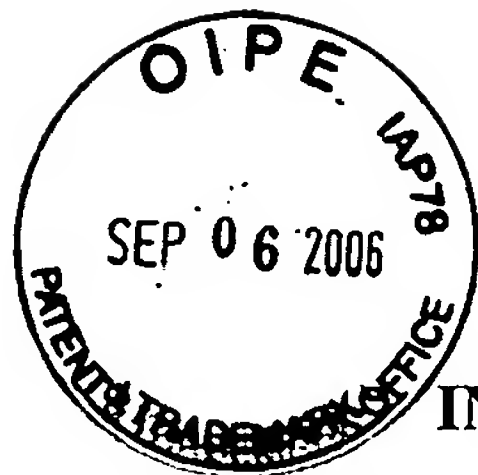


CaFC




Docket No.: S1022.81042US01
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jean-Michel Moreau
Serial No.: 10/812843 Patent No. 7,023,149
Filed: March 30, 2004 Issued: April 4, 2006
Patent No.: 7023149
For: CRT VERTICAL SCANNING CIRCUIT WITH A LOW RANGE POWER STANDBY

Examiner: H. Philogene
Art Unit: 2828 Confirmation No.: 3125

<p align="center">Certificate of Mailing Under 37 CFR 1.8(a)</p> <p>I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Attention: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p> <p>Dated: August 31, 2006</p> <p align="right"> Gail Driscoll</p>
--

**REQUEST FOR CERTIFICATE OF CORRECTION
PURSUANT TO 37 CFR 1.322**

Attention: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Certificate
SEP 11 2006
of Correction

Dear Sir:

Upon reviewing the above-identified patent, Patentee noted a typographical error which should be corrected.

On the title page:

Item (63), "Related U.S. Application Data", has been omitted from U.S. Patent No. 7,023,149. The claim of priority should read as shown below:

Related U.S. Application Data

- (63) Continuation of application Ser. No. 10/423,342, filed on April 25, 2003, now abandoned.

The above information was supplied to the Patent Office on the Application Data Sheet filed on March 30, 2004, a copy of which is enclosed.

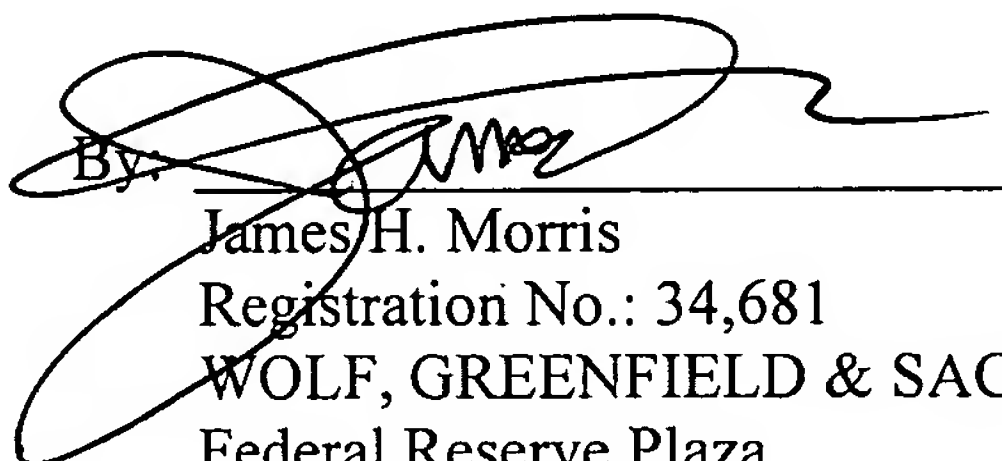
SEP 12 2006

Patentee respectfully submits that, since the error for which a Certificate of Correction is sought was the result of Patent Office mistake, no fee is due. However, if the Examiner deems a fee necessary, the fee may be charged to the account of the undersigned, Deposit Account No. 23/2825.

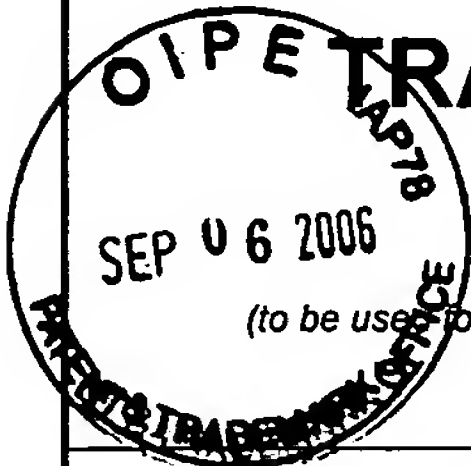
Transmitted herewith is a proposed Certificate of Correction effecting such amendment. Patentee respectfully solicits the granting of the requested Certificate of Correction.

Dated: August 31, 2006

Respectfully submitted,

By: 
James H. Morris
Registration No.: 34,681
WOLF, GREENFIELD & SACKS, P.C.
Federal Reserve Plaza
600 Atlantic Avenue
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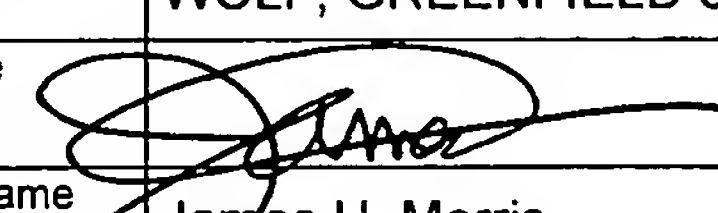
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

		Application Number	Patent#: 7023149
		Filing Date	Issued: April 4, 2006
		First Named Inventor	
		Art Unit	2828
		Examiner Name	H. Philogene
Total Number of Pages in This Submission	7	Attorney Docket Number	S1022.81042US01

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Request for Certificate of Correction <input checked="" type="checkbox"/> Page 1 of Application Data Sheet <input checked="" type="checkbox"/> Title Page of US 7,023,149 <input checked="" type="checkbox"/> Certificate of Correction <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below): Return Receipt Postcard
<div style="border: 1px solid black; padding: 5px; width: fit-content;">Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	WOLF, GREENFIELD & SACKS, P.C.		
Signature			
Printed name	James H. Morris		
Date	August 31, 2006	Reg. No.	34,681

Certificate of Mailing Under 37 CFR 1.8(a)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

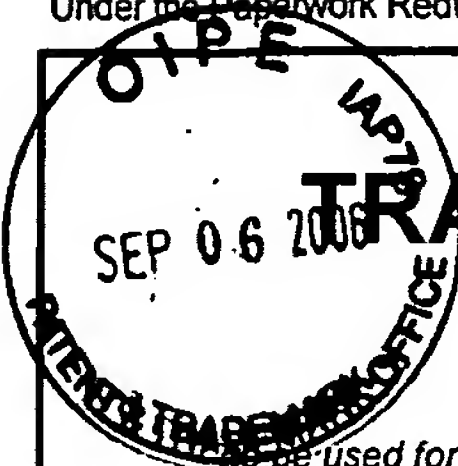
Dated: August 31, 2006

Signature:  (Gail Driscoll)

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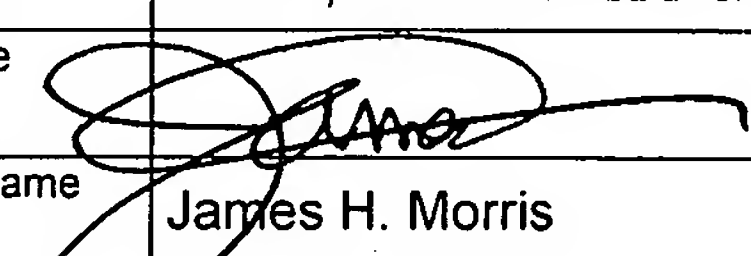
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

 TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	Patent#: 7023149	
	Filing Date	Issued: April 4, 2006	
	First Named Inventor		
	Art Unit	2828	
	Examiner Name	H. Philogene	
Total Number of Pages in This Submission	7	Attorney Docket Number	S1022.81042US01

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Request for Certificate of Correction <input checked="" type="checkbox"/> Page 1 of Application Data Sheet <input checked="" type="checkbox"/> Title Page of US 7,023,149 <input checked="" type="checkbox"/> Certificate of Correction <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below): Return Receipt Postcard
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	WOLF, GREENFIELD & SACKS, P.C.		
Signature			
Printed name	James H. Morris		
Date	August 31, 2006	Reg. No.	34,681

Certificate of Mailing Under 37 CFR 1.8(a)

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Dated: August 31, 2006

Signature:  (Gail Driscoll)

SEP 12 2006

(12) **United States Patent**
Moreau

(10) **Patent No.:** US 7,023,149 B2
(45) **Date of Patent:** Apr. 4, 2006

(54) **CRT VERTICAL SCANNING CIRCUIT WITH A LOW POWER STANDBY**

(75) **Inventor:** Jean-Michel Moreau, Grenoble (FR)

(73) **Assignee:** STMicroelectronics S.A., Montrouge (FR)

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 29 days.

(21) **Appl. No.:** 10/812,843

(22) **Filed:** Mar. 30, 2004

(65) **Prior Publication Data**

US 2004/0257008 A1 Dec. 23, 2004

(51) **Int. Cl.**
G09G 1/04 (2006.01)

(52) **U.S. Cl.** 315/407; 315/408; 315/411; 315/399; 348/805

(58) **Field of Classification Search** 315/364, 315/369, 397, 395, 399, 380, 407, 408, 403, 315/411; 348/628, 707, 805

(56) **References Cited**

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* cited by examiner

Primary Examiner—Haissa Philogene

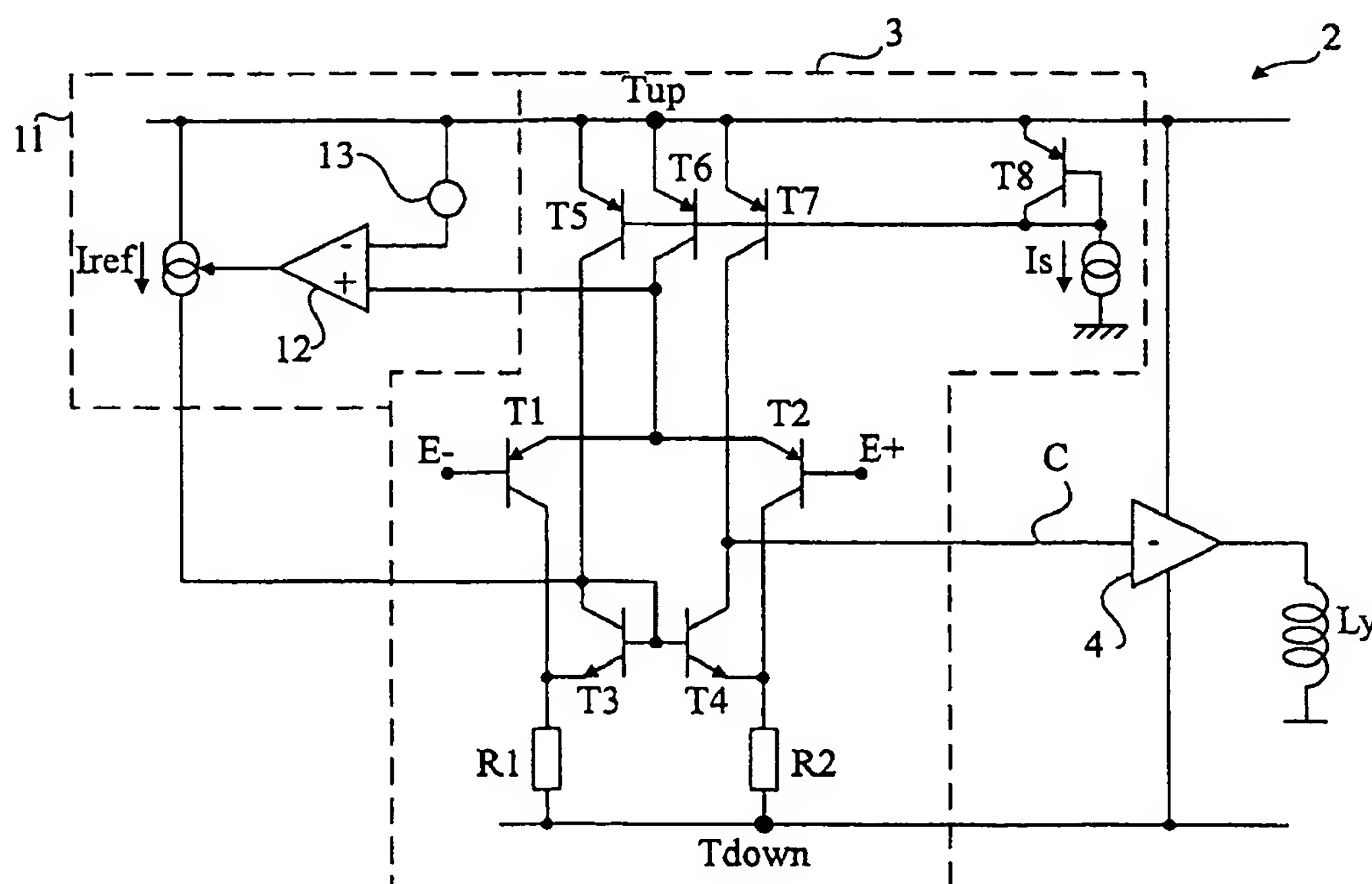
(74) *Attorney, Agent, or Firm*—Lisa K. Jorgenson; James H. Morris; Wolf, Greenfield & Sacks, P.C.

(57) **ABSTRACT**

The invention concerns a scanning circuit, comprising a power supply providing a negative voltage on a first terminal (Tdown), an intermediate voltage on a second terminal (Gnd) and a positive voltage on a terminal of a switch (S), the other terminal of the switch being connected to a third terminal (Tup), a control circuit (6) supplied by connections to the second and third terminals, a differential amplifier receiving a positive and a negative input signal provided by the control circuit, a power amplifier controlled by the differential amplifier, both amplifiers being supplied by connections to the first and third terminals, a deflection coil (Ly) connected between the output of the power amplifier and the second terminal, biasing means setting, when the switch is open, the output of the differential amplifier so that the possible current paths through the power amplifier between the deflection coil and the first terminal are cut.

See application file for complete search history.

20 Claims, 2 Drawing Sheets





APPLICATION DATA SHEET UNDER 37.C.F.R. §1.76

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Application Information

Title: CRT VERTICAL SCANNING CIRCUIT WITH A LOW POWER
STANDBY
Total Drawing Sheets: 2
Formal Drawings? Yes
Application Type: Non-Provisional Utility
Art Unit: Unknown
Docket Number: S1022/81042US01

Representative Information

Representative Customer Number:: 23628

Continuity Information

This application is a: Non-provisional
Claiming priority to: Non-Provisional application docket no. S1022.81042US00
Serial Number: 10/423,342
Filing Date: April 25, 2003
Status: Pending

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 7023149
APPLICATION NO. : 10/812843
ISSUE DATE : April 4, 2006
INVENTOR(S) : Jean-Michel Moreau

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Related U.S. Application Data
(63) Continuation of application Ser. No. 10/423,342, filed on April 25, 2003,
now abandoned.

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